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But, it will be said the behaviour of the is regulated bv animals directive instinct: what. be left. to them scope can for spontaneous action Their behaviour, indeed, approaches the mechanical. But it does not exactly resemble clockwork or the movements of iron filings the presence of a magnet. In the lower of ranges the kinadom the promptings animal instinct verv peremptory and extraordinarily detailed. But cases arise for which they do not provide. and we may see ants. bees. and hesitate spiders and make trials when confronted with difficulties. In fact the directions of instinct not cover the whole of the around. leave some opportunities for the making of mistakes and of attempts to rectify them. The behaviour of insects is occasionally guided by trial and tion, and in this differs altogether from the of machinery. You may see a line of ants checked perturbed apparently  $\mathbf{b}\mathbf{v}$ and obstacle: unusual one of them finds a way to circumvent and rest follow its spontaneous lead. Bees will the shape of their cells in order to carrv their combs round an obstruction. Higher scale, as the promptings of instinct become less less elaborate, the scope for and experiment. for making choices—widens: we have alreadv seen that birds, for instance, will on occasion depart very considerably from their instinctive

procedure. In man the field for spontaneous action is incomparably wider than in anv of the animals below him. But the field extends throughprovince of Life. out the thouah it when we reach its humblest regions. There is a period in the life of each plant when certain its cells appear to be confronted with choice. And the lively activity that is displayed minute unicellular organisms which flit across the